

I Claim:

1. A switching arrangement comprising a plurality of modules, to each of which energy and/or trigger signals are to be applied, each module carrying two current transformer secondary windings and there being a primary transformer loop in the form of a transmission line which is common to each module and which couples with the two transformer windings of each module.
2. An arrangement as claimed in claim 1 wherein the primary transformer loop comprises a coaxial line.
3. An arrangement as claimed in claim 1 wherein the two current transformer secondary windings on a module are an equal number of opposite turns and are connected in parallel.
4. An arrangement as claimed in claim 1 wherein each module is associated with a solid state switch to which trigger signals are applied via the transmission line.
5. An arrangement as claimed in claim 4 wherein the solid state switches are connected to provide a voltage output of some tens of kilovolts.
6. An arrangement as claimed in claim 1 wherein the transmission line includes a load resistor.
7. An arrangement as claimed in claim 6 wherein the load resistor is located at substantially

the mid-point of the transmission line.

8. An arrangement as claimed in claim 6 wherein a by-pass diode is connected in parallel with the load resistor.

9. An arrangement as claimed in claim 1 and including means for transmitting a current from one source along the transmission line to provide power for local low tension on each module and from another source along the transmission line to apply triggering pulses to the modules.

10. An arrangement as claimed in claim 9 wherein the current applied from one source is in the opposite direction along the transmission line to that applied from the other source.

11. An arrangement as claimed in claim 1 and including electrostatic shielding around part of the length of the transmission line.

12. An arrangement as claimed in claim 11 wherein there is a break in the electrostatic shielding at substantially the mid-point of the transmission line.

13. An arrangement as claimed in claim 11 and including a resistive load connected to the electrostatic shielding.